

IN THE CLAIMS

Please cancel claims 1 thru 4 without prejudice or disclaimer, and add claims 5 thru 8 as follows:

1 thru 4. (Canceled)

5. A set of equipment for secure direct information transfer over an Internet, comprising information transmitting terminal devices for collaborating with an information forwarding network and for taking part in information traffic, each information transmitting terminal device comprising a sender partial unit, a receiver partial unit and a storage partial unit;

wherein said storage partial unit comprises an ID-register containing a device identification signal, a C-register for storing a coding key, and a D-register for storing a decoding key;

wherein the C-register storing the coding key is connected to the sender partial unit, and a respective coding key and a respective collaborating decoding key are allocated to a corresponding information transmitting terminal device;

wherein the storage partial unit of each information transmitting terminal device includes at least one temporary storage register for the temporary storage of the coding keys of other information transmitting terminal devices;

wherein the information forwarding network includes at least one central traffic coordinating unit having an MD-register for storing a master decoding key and a memory unit including base cells for storing the coding keys belonging to the information transmitting terminal devices;

wherein a master coding key collaborating with the master decoding key is allocated to the central traffic coordinating unit, and the C-registers of the information transmitting terminal devices are provided with a master coding key collaborating with the master decoding key stored in the MD-register of the central traffic coordinating unit;

wherein, in the storage partial unit of a first information transmitting terminal device, there is only information free from the coding key of the first information transmitting terminal device, while only the coding key of a second information transmitting terminal device participating in an information exchange is temporarily stored in the temporary storage register of the first information transmitting terminal device; and

wherein only the coding key of the first information transmitting terminal device participating in the information exchange is temporarily stored in the temporary storage register of the second information transmitting terminal device;

whereby, for the duration of actual information exchange, the first information transmitting terminal device and the second information transmitting terminal device are directly linked to one another so that data flow without the mediation of the central traffic coordinating unit is provided.

6. The set of equipment as recited in claim 5, wherein the temporary storage registers of the information transmitting terminal devices are connected to the sender partial unit.

7. The set of equipment as recited in claim 6, wherein the central traffic coordinating unit is provided with an MC-register for storing a master coding key.

8. The set of equipment as recited in claim 5, wherein the central traffic coordinating unit is provided with an MC-register for storing a master coding key.